8-20-2019

Electrical & Computer Engineering News

Georgia Southern University

Dr. Masoud Davari Awarded an NSF Research Funding

August 20, 2019

Masoud Davari, assistant professor of Electrical & Computer Engineering in Power Systems and Power Electronics, has been awarded funding from NSF for his proposal, entitled "Collaborative Research: ***Innovative Approaches for Robust and Reliable Operation of Voltage Source Converters in Critical Conditions of Emerging Grids***."

Dr. Davari's research will 1) investigate the impacts of grid weakness, grid voltage distortions, and grid voltage and frequency disturbances on the inverter functions, and 2) synthesize Innovative and Effective Solutions to them. The project results will advance the quality and strength of inverter responses to critical conditions of future multi-infeed AC/DC grids and will lead to 1) improvement in the power systems reliability, 2) improvement in their power quality, and 3) increase in their inverter hosting capacity. The project will stimulate and sustain the cross-disciplinary training of diversified students, particularly the underrepresented minorities enrolled in STEM programs at Georgia Southern University and Mississippi State University, and also improve the broad STEM curricula. NSF has awarded $300,158 for this two-year project.

Posted in Faculty Research, News